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Electronic Interactions between "Pea" and "Pod"

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Supporting Information

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Electronic Interactions between “Pea” and “Pod”: The Case of Oligothiophenes Encapsulated in Carbon Nanotubes

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Supplementary Information

Electronic interactions between “pea” and “pod”: the case of oligothiophenes encapsulated in carbon nanotubes

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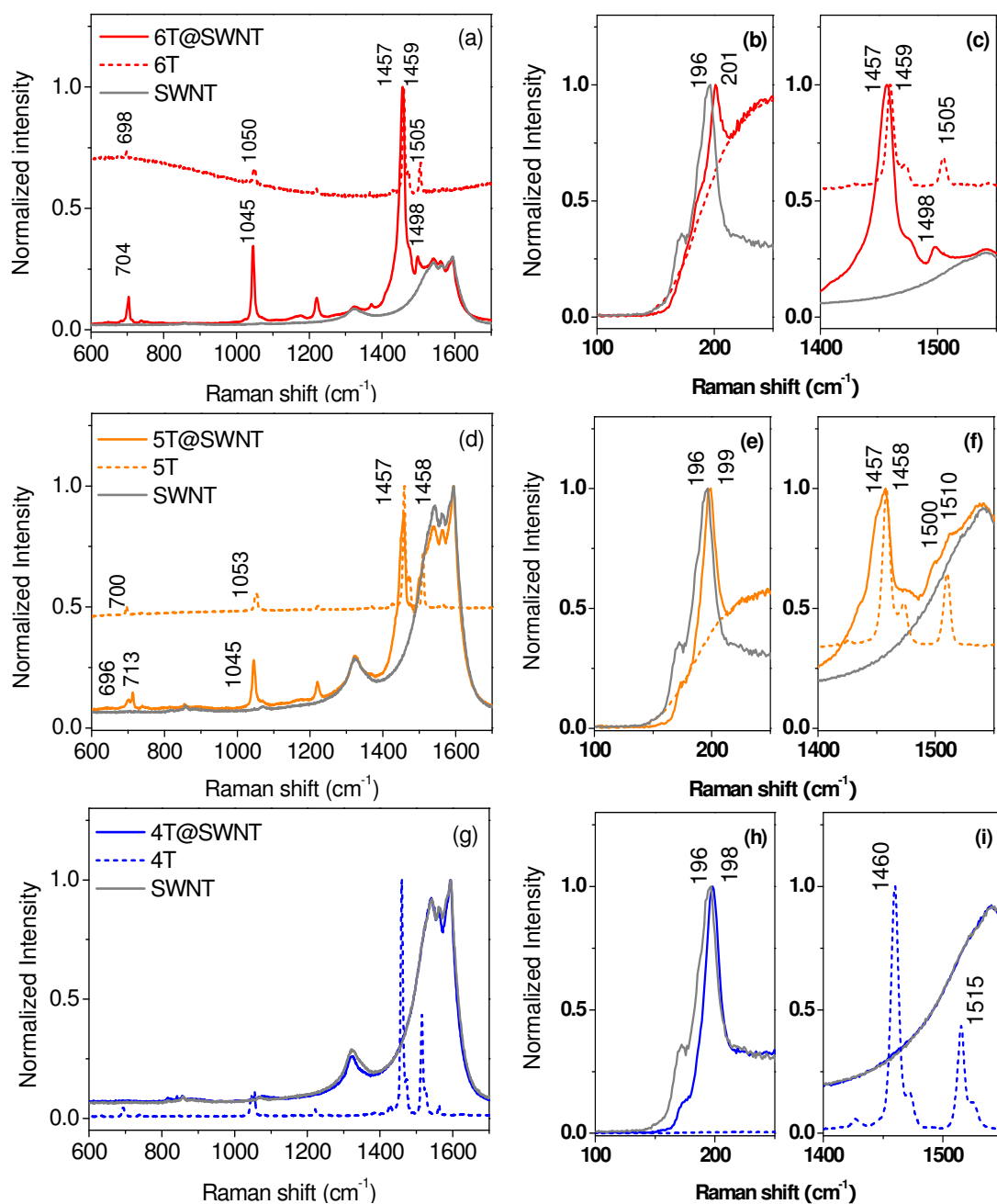


Figure 1. Raman spectra: 600 - 1700 nm spectral region (a), radial breathing mode (RBM) (b) and C=C stretching modes (c) of 6T@SWNT (red), control sample (mixture of molecule and SWNTs, dash red) and pure SWNTs (gray). Sections (d)-(f): same as (a)-(c) but for 5T (orange curves). Sections (g)-(i): same as (a)-(c) but for 4T (blue curves). The excitation wavelength was set at 633 nm. All spectra are normalized at their maximum peak frequencies.

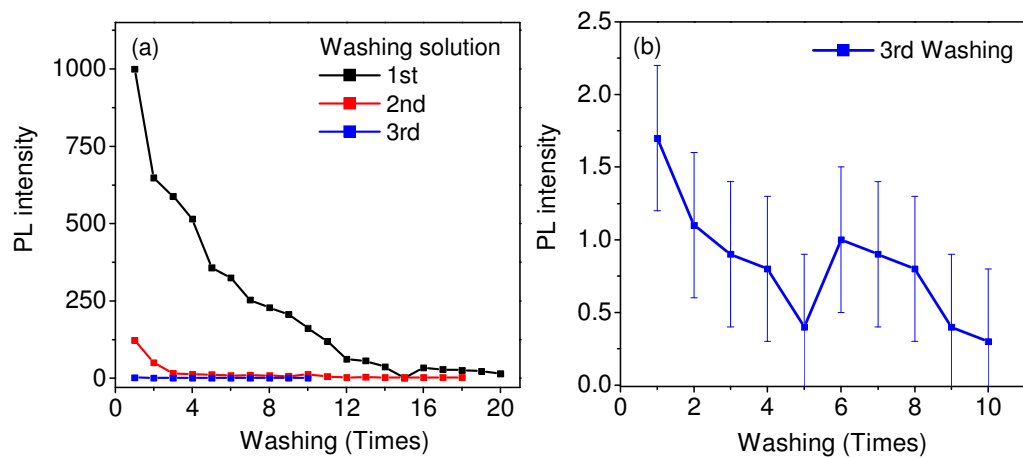


Figure 2. Fluorescence analysis of the washing solutions obtained after each stage for the purification of 4T@SWNT.

Movie showing the movements of encapsulated T5 molecules with time.



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